

13. The method of Claim 12 wherein the aromatic compound is an aniline or a phenol.

*Rule 1.126* <sup>14</sup>  
~~13.~~ The method of Claim 9, wherein the complex of a polymerized aromatic monomer and a template forms in solution.

<sup>15</sup>  
~~14.~~ The method of Claim 13, wherein the complex of a polymerized aromatic monomer and a template forms on the assembled hematin.

<sup>16</sup>  
~~15.~~ A method of polymerization of aniline, the method comprising:

preparing an aqueous solution containing aniline, sulfonated multi wall carbon nano tubes (MWCNT), syn-enzyme Hematin-Polyethylene glycol, and a reaction initiator, to provide a MWCNT sulfonate/polyaniline complex dispersed in water.

<sup>17</sup>  
~~16.~~ The method in accordance with claim 15 wherein the reaction initiator is hydrogen peroxide.

<sup>18</sup>  
~~17.~~ The method in accordance with claim 15 and comprising the further step of purifying the MWCNT sulfonate/polyaniline by dialysis thereof.

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~~18.~~ The method in accordance with claim 15 and comprising the further step of purifying the MWCNT sulfonate/polyaniline by centrifusion thereof.

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~~19.~~ A method for polymerization of 2-methoxy, 5-methylaniline, the method comprising:

preparing an aqueous solution containing 2-methoxy, 5-methylaniline, sulfonated multi wall carbon nano tubes (MWCNT), syn-enzyme Hematin-Polyethylene glycol, and a reaction initiator, to provide a MWCNT sulfonate/polyaniline complex dispersed in water.

21

~~20.~~ The method in accordance with claim 19 wherein the reaction initiator is hydrogen peroxide.

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~~21.~~ The method in accordance with claim 19 and comprising the further step of purifying the MWCNT sulfonate/polyaniline by dialysis thereof.

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~~22.~~ The method in accordance with claim 19 and comprising the further step of purifying the MWCNT sulfonate/polyaniline by centrifusion thereof.

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~~23.~~ A method for polymerization of phenol monomer, the method comprising:

preparing an aqueous solution containing phenol monomer, sulfonated multi wall carbon nano tubes (MWCNT), syn-enzyme Hematin-Polyethylene glycol, and a reaction initiator, to provide a MWCNT sulfonate/polyphenol complex disposed in water.

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~~24.~~ The method in accordance with claim 23 wherein the reaction initiator is hydrogen peroxide.

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~~25.~~ The method in accordance with claim 23 and comprising the further step of purifying the MWCNT sulfonate/polyaniline by dialysis thereof.

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~~26.~~ The method in accordance with claim 23 and comprising the further step of purifying the MWCNT sulfonate/polyaniline by centrifusion thereof.